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### 1 [Frontiers in electronic media](#)



Kim H. Veltman

July 1997

interactions, Volume 4 Issue 4

**Publisher:** ACM

Full text available: [Pdf](#) (11.63  
MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),  
[review](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 139, Citation Count: 3

## 2 [Multiresolution green's function methods for interactive simulation of large-scale elastostatic objects](#)



Doug L. James, Dinesh K. Pai

January 2003 ACM Transactions on Graphics (TOG), Volume 22 Issue 1

**Publisher:** ACM

Full text available: Pdf (8.69 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 145, Citation Count: 9

We present a framework for low-latency interactive simulation of linear elastostatic models, and other systems arising from linear elliptic partial differential equations, which makes it feasible to interactively simulate large-scale physical models. ...

**Keyw ords:** Capacitance matrix, Green's function, deformation, elastostatic, fast summation, force feedback, interactive real-time applications, lifting scheme, real-time, updating, wavelets

## 3 [Book preview](#)



Marisa Campbell

January 2002 interactions, Volume 9 Issue 1

**Publisher:** ACM

Full text available: Html (13.13 KB), Pdf (262.79 KB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 21, Citation Count: 0

## 4 [User-directed analysis of scanned images](#)



Steven J. Simske, Jordi Arnabat

November 2003 DocEng '03: Proceedings of the 2003 ACM symposium on Document engineering

**Publisher:** ACM


Full text available: Pdf (3.36 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 132, Citation Count: 1

Digital capture (scanning in all its forms, and digital photography/video recording), in providing virtually free temporary memory of captured information, allows users to "over-gather" information during capture, and then to discard unwanted material ...

**Keyw ords:** bottom-up analysis, classification, click and select, preview display, scanning, segmentation, user interface, zoning

## 5 Recognizing creative needs in user interface design

 Michael Terry, Elizabeth D. Mynatt  
October 2002 C & C '02: Proceedings of the 4th conference on Creativity & cognition  
**Publisher:** ACM


Full text available:  Pdf (478.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 340, Citation Count: 11

The creative process requires experimentation, the exploration of variations, and the continual evaluation of one's progress. While these processes are frequently non-linear and iterative, modern user interfaces do not explicitly support these practices, ...

Keyw ords: creativity, image manipulation, non-linear interaction model, on-demand previews, open-ended tasks, side view

## 6 An adaptive viewing application for the web on personal digital assistants

 Kwang Bok Lee, Roger A. Grice  
October 2003 SIGDOC '03: Proceedings of the 21st annual international conference on Documentation  
**Publisher:** ACM


Full text available:  Pdf (536.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 73, Citation Count: 4

With the proliferation of Personal Digital Assistants (PDAs), people are using such small devices to access the web; however, the web is not accommodating such access. Here, for small devices' users, we present an efficient method for extracting readable ...

Keyw ords: adaptive user interfaces (AUIs), intermediaries and web intermediaries (WBI), personal digital assistants (PDAs)

## 7 "Physical hypermedia": organising collections of mixed physical and digital material

 Kaj Grønbaek, Jannie F. Kristensen, Peter Ørbæk, Mette Agger Eriksen  
August 2003 HYPERTEXT '03: Proceedings of the fourteenth ACM conference on Hypertext and hypermedia  
**Publisher:** ACM

Full text available:  Pdf (841.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 90, Citation Count: 17

This paper addresses the problem of organizing material in mixed digital and physical environments. It presents empirical examples of how people use collectional artefacts and organize physical material such as paper, samples, models, mock-ups, plans, ...

**Keyw ords:** augmented reality, collections of materials, physical and digital, spatial hypermedia, tagging

## 8 The parks PDA: a handheld device for theme park guests in squeak



Yoshiki Ohshima, John Maloney, Andy Ogden

October OOPSLA '03: Companion of the 18th annual ACM SIGPLAN conference on 2003 Object-oriented programming, systems, languages, and applications

**Publisher:** ACM

Full text available: Pdf (488.82 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 140, Citation Count: 0

The Parks PDA is a lightweight, handheld device for theme park guests that functions as a combination guidebook, map, and digital camera. Together with a small team of artists and designers, we created a prototype Parks PDA and content for a three hour ...

**Keyw ords:** PDA, development environment, end-user software, handheld device, multimedia data management, rapid software development

## 9 Palette: a paper interface for giving presentations



Les Nelson, Satoshi Ichimura, Elin Rønby Pedersen, Lia Adams

May CHI '99: Proceedings of the SIGCHI conference on Human factors in 1999 computing systems: the CHI is the limit

**Publisher:** ACM

Full text available: Pdf (1.11 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 41, Citation Count: 32

The Palette is a digital appliance designed for intuitive control of electronic slide shows. Current interfaces demand too much of our attention to permit effective computer use in situations where we can not give the technology our fullest concentration. ...

**Keyw ords:** interaction design, paper interfaces, physically embodied interfaces, presentation appliance, tatic interaction

## 10 Using properties for uniform interaction in the Presto document system

 Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury  
November 1999      UI ST '99: Proceedings of the 12th annual ACM symposium on User interface software and technology

**Publisher:** ACM

Full text available:  Pdf (477.56 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 10


Most document or information management systems rely on hierarchies to organise documents (e.g. files, email messages or web bookmarks). However, the rigid structures of hierarchical schemes do not mesh well with the more fluid nature of everyday document ...

Keywords: document interfaces, document management, document properties, interaction models

## 11 Using thumbnails to search the Web

 Allison Woodruff, Andrew Faulring, Ruth Rosenholtz, Julie Morrision, Peter Pirolli  
March 2001      CHI '01: Proceedings of the SIGCHI conference on Human factors in computing systems

**Publisher:** ACM

Full text available:  Pdf (424.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 117, Citation Count: 26


We introduce a technique for creating novel, textually-enhanced thumbnails of Web pages. These thumbnails combine the advantages of image thumbnails and text summaries to provide consistent performance on a variety of tasks. We conducted a study in which ...

Keywords: Web search task, thumbnails

## 12 Inventing the Lisa user interface

 Roderick Perkins, Dan Smith Keller, Frank Ludolph  
January 1997      interactions, Volume 4 Issue 1

**Publisher:** ACM

Full text available:  Pdf (1.07 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 107, Citation Count: 4

### 13 The Anti-Mac interface



Don Gentner, Jakob Nielsen

August 1996      Communications of the ACM, Volume 39 Issue 8

**Publisher:** ACM

Full text available: Pdf (365.38 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 363, Citation Count: 20

### 14 Document management and Web technologies: Alice marries the Mad Hatter



V. Balasubramanian, Alf Bashian

July 1998      Communications of the ACM, Volume 41 Issue 7

**Publisher:** ACM

Full text available: Pdf (209.52 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 148, Citation Count: 4

### 15 An extensible approach to imagery of gridded data



Geoffrey Dutton

July 1977      SIGGRAPH '77: Proceedings of the 4th annual conference on Computer graphics and interactive techniques

**Publisher:** ACM

Full text available: Pdf (3.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 2

A program offering a variety of cartographic techniques for mapping gridded data is described. Dot-distribution maps, several forms of contour maps and screen-toned maps are currently implemented for plotter and vector CRT. The structure and logic of ...

Keyw ords: analytic hill-shading, cartography, contour mapping, device independence, dot-distribution mapping, gridded data, halftone imagery, inclined contour mapping, spatial analysis, spatial gradients, thematic mapping, vector graphics, virtual graphics, virtual memory


## 16 An extensible approach to imagery of gridded data



Geoffrey Dutton

August 1977 ACM SIGGRAPH Computer Graphics, Volume 11 Issue 2

**Publisher:** ACM

Full text available:  Pdf (3.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 2

A program offering a variety of cartographic techniques for mapping gridded data is described. Dot-distribution maps, several forms of contour maps and screen-toned maps are currently implemented for plotter and vector CRT. The structure and logic of ...


Keyw ords: analytic hill-shading, cartography, contour mapping, device independence, dot-distribution mapping, gridded data, halftone imagery, inclined contour mapping, spatial analysis, spatial gradients, thematic mapping, vector graphics, virtual graphics, virtual memory

## 17 Interactive simulation of fire in virtual building environments

Richard Bukowski, Carlo Séquin

August 1997 SIGGRAPH '97: Proceedings of the 24th annual conference on Computer graphics and interactive techniques

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available:  Pdf (287.97 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 172, Citation Count: 6

Keyw ords: information visualization, interactive techniques, scientific visualization, simulation, virtual reality, virtual/interactive environments

## 18 ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2



May 2003 issue Volume 37 Issue 2

2003

**Publisher:** ACM

Additional Information: [full citation](#)


**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

## 19 [Introducing scribus](#)

Peter Linnell

November 2003      Linux Journal, Volume 2003 Issue 115

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (30.56 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

Take desktop publishing off the shrinking list of applications Linux doesn't have, and create press-ready documents with a new GPL program.


## 20 [The kinedit system: affective messages using dynamic texts](#)



Jodi Forlizzi, Johnny Lee, Scott Hudson

April 2003      CHI '03: Proceedings of the SIGCHI conference on Human factors in computing systems

**Publisher:** ACM

Full text available:  [Pdf](#) (1.47 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 86, Citation Count: 9

Kinetic (dynamic) typography has demonstrated the ability to add significant emotive content and appeal to expressive text, allowing some of the qualities normally found in film and the spoken word to be added to static text. Kinetic typography has been ...

Keyw ords: editing tools, expressive communications, kinetic typography

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